



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.  
GOVERNOR

DIVISION OF HIGHWAYS  
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GARLAND B. GARRETT JR.  
SECRETARY

February 19, 1997

MEMORANDUM TO: Whitmel H. Webb, III, P. E.  
Manager Program Development Branch

FROM: David Modlin, P. E.  
Feasibility Studies Unit Head

SUBJECT: Widening improvements, Indian Trails,  
Union County, Division 10

The Feasibility Studies Unit was asked to evaluate widening SR 1008 (Waxhaw-Indian Trail Road) / SR 1520 (Indian Trail Road) between NC 84 and SR 1501 (Secrest Shortcut Road) from the existing 2-lane section to a 5-lane curb and gutter section compared to extending Faith Church Road from SR 1346 (Beulah Church Road) to SR 1367 (Unionville-Indian Trail Road), a new location alignment (See Figure 1). The improvement alignment is approximately 8.9 miles (14.3 km) and the new location alignment is approximately 5.0 miles (8.1 km).

Improving SR 1008 / SR 1520 from the existing 2-lane section to a 5-lane, 68-foot (20.7-m) curb and gutter section with 10-foot (3.0-m) berms is estimated to cost \$ 19,200,000 (**construction only**). This estimated cost includes 50 percent reconstruction of the existing roadway.

The extension of Faith Church Road on new alignment, again utilizing a 5-lane, 68-foot (20.7 m) curb and gutter section with 10-foot (3.0-m) berms is estimated to cost \$ 15,200,000 (**construction only**). At the western end of this alternate, the alignment will of necessity cross Price Mill Creek. The estimated structure length is 140 feet (42.7 m). The wetland involvement is estimated to be approximately 4.0 acres.





